

Title (en)

Method and apparatus for adjusting the stroke of a non-compressible fluid-actuated percussion device

Title (de)

Verfahren und Vorrichtung zum Einstellen des Schlaghubes einer, von einem inkompressiblen Fluid angetriebenen, Schlagvorrichtung

Title (fr)

Procédé et appareil pour la régulation de la course de frappe d'un appareil à percussion mû par un fluide incompressible sous pression

Publication

EP 0715932 B1 20011114 (FR)

Application

EP 95420353 A 19951206

Priority

FR 9415020 A 19941208

Abstract (en)

[origin: EP0715932A1] The regulator consists of a piston (1) which moves inside a cylinder between upper (8) and lower (9) chambers which are fed in sequence with a high-pressure fluid by a distributor (4) linked to a control member allowing the piston stroke to be varied. The regulator incorporates a slide valve (13) with a return spring (9), located inside a cylinder with one of its faces capable of being subjected to a fluid pressure. The regulator is able, during the piston rebound phase following an impact, to establish the presence of an instantaneous flow of fluid from the upper chamber (8) to the feed circuit (5) at a pressure determined from the pressure differential between the two circuits. In the event of a flow being detected, fluid is fed under pressure to the slide valve so that the stroke of the piston is increased.

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B25D 9/26

IPC 8 full level

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CPC (source: EP KR US)

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